Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/30/2018 11:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124881	-1	1.72	124956	1.72
Blue	F	SSC	125000	123327	-2	3.25	124182	3.17
Blue	E	FITC	15492	14953	-4	3.47	349	21.18
Blue	D	PE	28736	27985	-3	2.66	617	16.35
Blue	B	PerCP-Cy5-5	41413	40986	-2	4.44	1123	22.78
Blue	A	PE-Cy7	31321	31198	-1	6.92	566	47.17
Red	C	APC	41673	40917	-2	3.02	1578	13.68
Red	A	APC-Cy7	29962	29482	-2	2.84	739	14.36
Violet	B	V450	8318	7956	-5	4.32	441	14.38
Violet	A	V500	34199	33401	-3	4.08	805	10.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20385	4.47	605	-8	N/A	N/A	Pass
Blue	F	SSC	55783	2.62	572	4	N/A	N/A	Pass
Blue	E	FITC	59	72.23	555	-6	0.0172	192	Pass
Blue	D	PE	122	58.57	555	-5	0.1341	311	Pass
Blue	B	PerCP-Cy5-5	210	55.46	661	-6	0.0075	63	Pass
Blue	A	PE-Cy7	112	116.20	717	-5	0.0092	23	Pass
Red	C	APC	362	29.26	604	3	0.0183	131	Pass
Red	A	APC-Cy7	183	32.40	580	4	0.0044	1091	Pass
Violet	B	V450	67	68.05	474	-3	0.0447	2303	Pass
Violet	A	V500	114	35.64	492	-2	0.0215	789	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-31.83	1.10
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	16.02	13.60 - 20.40	N/A	N/A	28.80	29.50	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9703

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments